

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/593,793A

DATE: 11/27/2000
TIME: 22:54:27

Input Set : A:\Pto.amc
Output Set: N:\CRF3\11272000\I593793A.raw

3 <110> APPLICANT: Xu, Jiangchun
 4 Dillon, Davin C.
 5 Mitcham, Jennifer L.
 6 Harlocker, Susan L.
 7 Jiang, Yuqui
 8 Reed, Steven G.
 9 Kalos, Michael D.
 10 Fanger, Gary R.
 11 Retter, Marc W.
 12 Stolk, John A.
 13 Day, Craig H.
 14 Vedvick, Thomas S.
 15 Carter, Darrick
 16 Li, Samuel
 17 Wang, Aijun
 18 Skeiky, Yasir A.W.
 19 Heiper, William
 21 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 22 DIAGNOSIS OF PROSTATE CANCER
 24 <130> FILE REFERENCE: 210121.42715C15
 C--> 26 <140> CURRENT APPLICATION NUMBER: US/09/593,793A
 C--> 27 <141> CURRENT FILING DATE: 2000-06-13
 29 <160> NUMBER OF SEQ ID NOS: 814
 31 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 33 <210> SEQ ID NO: 1
 34 <211> LENGTH: 814
 35 <212> TYPE: DNA
 36 <213> ORGANISM: HOMO sapien
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature
 40 <222> LOCATION: (1)...(814)
 41 <223> OTHER INFORMATION: n = A,T,C or G
 43 <400> SEQUENCE: 1
 44 tttttttttt tttttcacag tataacagct ctttatttct gtgagttcta ctagggaaatc 60
 45 atcaaatctg agggttgtct ggaggacttc aatacacctc ccccccatagt gaatcagctt 120
 46 ccaggggggtc cagtccctct ctttacttca tc(cccatccc atgccaagg aagaccctcc 180
 47 ctcccttgct cacagccttc tetaggcttc ccagtgcctc caggacagag tgggttatgt 240
 48 tttcagctcc atccctgctg tgatgtctg gtgcgttggt ctcccaagctt ctgctcagtg 300
 49 cttcatggac agtgtccagc acatgtcact ctccactctc tcagtgtggta tccactatgtt 360
 50 cttagagccgc cgccaccccg gtggagctcc agcttttagtgc agggtttaattt 420
 51 ggcgccttgg ctgaatctatgtt qtcataactgtt ttctctgtgt gaaattgtta tccgctcaca 480
 52 attccacaca acatacggc cggaaagcata aagtgtaaag ctgggggtgc ctaatgatgt 540
 W--> 53 anctaactca cattaattgc gttgcgtctca ctgnccgctt tccagtcnngg aaaactgtcg 600
 W--> 54 tgccagctgc attaatgtat cggccaaacgc ncggggaaaaa gcgggttgcg ttttggggc 660
 W--> 55 tcttccgctt ctcgcctact nantcctgcg ctcggctnntt cggctgcggg gaacggatc 720
 W--> 56 actcctcaaa ggnngtatta cggttatccn naaatcnggg gatacccnngg aaaaaanttt 780
 W--> 57 aacaaaaggc cancaaaggc cngaaacgtt aaaa 814

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59 <210> SEQ ID NO: 2
60 <211> LENGTH: 816
61 <212> TYPE: DNA
62 <213> ORGANISM: Homo sapien
64 <220> FEATURE: misc_feature
65 <221> NAME/KEY: misc_feature
66 <222> LOCATION: (1)...(816)
67 <223> OTHER INFORMATION: n = A,T,C or G
69 <400> SEQUENCE: 2
70 acagaaatgt tggatggtgg agcacccccc tatacactt acaggacgc agatggggaa 60
71 ttcatggctg ttggaccaat agaaccggc ttcacggc tgctgtcaa aggacttggaa 120
72 cttaaaggctcg atggacttcc caatcaatgg acatggatgg attggccaga aatgaagaag 180
73 aagtggcag atgttttcg aaagaagacg aaggcagatg ggtgtcaaat ctttgacggc 240
74 acagatgcct gtgtactcc gggttctact tttaggggg ttgttcatca tgatcacaac 300
75 aaggaaacggg gtcgtttat caccatgg gacgggggg tgagcccccc ccctgcaccc 360
76 ctgtgttaa acacccccc catcccttc ttccaaaggq atccactatgt tctagaagcg 420
77 gccgcaccc cggtggagct ccagcttttgc ttccctttag tgagggttaa ttgcgcgtt 480
78 gycgtaatca tggtcatacg tggttctgt gtgaaatttttgc tatccgtca caatttcccc 540
W--> 79 aacatacgag cgggaacata aagtttaaag cctgggggtgc ctaatgantg agctaactcn 600
W--> 80 cattaattgc gttgcgtca ctgcggcgtt tccagtcggg aaaactgtcg tgccactgn 660
W--> 81 ttantgaatc ngccacccccc egggaaaagg cggttgcntt ttgggcctct tccgctttcc 720
W--> 82 tggcttattt atccctngncn cccgttccg gtcggggngaa acggttactt cctcaaaggc 780
W--> 83 ggtntnccgg ttatcccaa acnngggata cccnna 816
85 <210> SEQ ID NO: 3
86 <211> LENGTH: 773
87 <212> TYPE: DNA
88 <213> ORGANISM: Homo sapien
90 <220> FEATURE:
91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (1)...(773)
93 <223> OTHER INFORMATION: n = A,T,C or G
95 <400> SEQUENCE: 3
96 cttttgaag aaggatggc tgggggtttt aacagcagag gtgcggggcg ggggctca 60
97 tcctgcctt cactggat aaacgaccc cgttccctgt tggatcatg atgaacaacc 120
98 tcctcaaaat tcagaacccgg agtcacacag gatctgtgc cgtcaaatgtt ttgacaccac 180
99 tctgccttcg ttttcttgc aaatacatct gcaaaatttct ttttcatttc ttggcaatca 240
W--> 100 tccatgtca tctgattggg aagttcatca gactttatgc canntctt gatcagcagc 300
101 tcgttagact ggggttctat tgcctcaaca gccatgttgc cccatctgc tggctgttaa 360
102 gtcgtataga aagggtgtcc accatccaaat atgttctgtc ctcgagggggg ggcgggtac 420
W--> 103 ccaattcgcc ctatanttag tcgttattacg cgcgtcaactt ggcgtcggtt ttacaatgtc 480
104 gtgactggaa aaacctggg cgttaccaac ttaatgcct tgcagcacat cccctttcg 540
W--> 105 ccagctggc gtaatancga aaaggccgc accgatcgcc tttccaaacag ttgcgcaccc 600
W--> 106 gaatgggnaa atgggacccc cctgttaccg cgcattaaac ccccgcnnggg tttngttgtt 660
W--> 107 acccccaactt nnaccgtta cactttgcca ggcgcattanc gcccgctccc ttccnccctt 720
W--> 108 cttcccttc ttccnccn cttcccccgg gggttcccccc cntcaaaaccn cna 773
110 <210> SEQ ID NO: 4
111 <211> LENGTH: 828
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapien

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NOV 29 2000

TECH CENTER 1600/2000

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TECH CENTER 1600/2900

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TECH CENTER 1600/2300

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Input Set : A:\Pto.amc
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226	cataaggaga actttctgct ggcacgeget agggacaagc gggagagcga ctccgagcgt	120
227	ctqaagcga cgccccagaa ggtggacttg gcaactgaaac agtgggaca catcccgag	180
228	tacgaacacgc gcttggaaagt gctggagcgg gaggtccagc agtgttagccg cytctgggg	240
W--> 229	tgggtggccg angcttganc cgctctgct tgctgcccccc angtggccg ccacccctg	300
W--> 230-	acctgcctgg gtccaaacac tgagccctgc tggcgactt caagganaac cccacangg	360
W--> 231	ggattttgtct cctanantaa ggctcatctg ggcctggcc ccccaacctg gttggccctg	420
W--> 232	tctttgangt gagccccatg tccatctgg ccactgtcg gaccacett nggaggttt	480
W--> 233	ctccttacaa cacannatg cccggctctt cccggaaacc antcccanc tgngaagat	540
W--> 234	caagnctgn atccatcnnt nctanaaccc gcncncncc cnctggaaacc cncttnntgt	600
W--> 235	tcctttctn tnaggttaa tnncccttg gccttnccan ngtctnncn nttnccnnt	660
W--> 236	gttnaaattt ttangcccc nccnntcccn nnccnccnan cccgaccnn annntnnann	720
W--> 237	nccctggggt nccnccngat tgacccnncc nccctntant tgcnttnggg nnccnntgcc	780
W--> 238	ctttccctct nggganncc	799
240	<210> SEQ ID NO: 9	
241	<211> LENGTH: 801	
242	<212> TYPE: DNA	
243	<213> ORGANISM: Homo sapien	
245	<220> FEATURE:	
246	<221> NAME/KEY: misc_feature	
247	<222> LOCATION: (1)...(801)	
248	<223> OTHER INFORMATION: n = A,T,C or G	
250	<400> SEQUENCE: 9	
251	acgcctgtat cctcccaaggc tgggactygt tctyggagga gcccggcatg ctgtggtttg	60
W--> 252	taangatgac actcccaaag gtggctctga cagtggccca gatggacatg gggctcacct	120
253	caaggacaag gccacccaggc gcggggcccg aagccacat gatccttact ctatgagcaa	180
W--> 254	aatccctgtt gggggctctt ctttgaagtc cgcacccagg gtcagtctt tggacccang	240
W--> 255	caggtcatgg ggttgtnngc caactgggg ccncaacgca aaanggcna gggctcnng	300
W--> 256	cacccatccc angacggc tacactnctg gacccccc tccaccactt tcatgcgtg	360
W--> 257	ttctnacccg cgnatntgtc ccanctgtt cngtgcenac tccanctt nngacgtgcg	420
W--> 258	ctacatacgc cggantcn nctccctt tgccttac cacgtncan caacaattt	480
W--> 259	cnccntantg caccnatcc cacnnttnc agnttccnc nncngcttc cttntaaaag	540
W--> 260	ggttganccc cggaaatnc cccaaagggg gggggccnng taccctaactn cccctnata	600
W--> 261	gtctgaantecc ccatnacnn gnctcnatgg anccntccnt ttaannacn ttctnaactt	660
W--> 262	ggaaananc ctcgnccn nccctntaa tcccneetgg cnangnncnt ccccnntcc	720
W--> 263	ncccnntng gcntnann cnaaaaaggc cccnnancaa ttcctnnccn ctcanttcg	780
W--> 264	ccanccctcg aaatcgccn c	801
266	<210> SEQ ID NO: 10	
267	<211> LENGTH: 789	
268	<212> TYPE: DNA	
269	<213> ORGANISM: Homo sapien	
271	<220> FEATURE:	
272	<221> NAME/KEY: misc_feature	
273	<222> LOCATION: (1)...(789)	
274	<223> OTHER INFORMATION: n = A,T,C or G	
276	<400> SEQUENCE: 10	
W--> 277	cagtctatnt gcccggatgtg gcaactttcc ctgtggctgc cgggccaca tgcctgtccc	60
278	acagtgttgc cgtgggtaca gcttcagccg ccctcaccgg gttcaccccttc tcagccctgc	120
279	agatccctgcc ctacacactg gctccctt accacccgggaa gaagcagggt ttctgcgcca	180
280	aataccgagg ggacactgya ggtgcttagca gtgaggacag cctgatgacc agtttccctgc	240

fyI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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L:26 M:270 C: Current Application Number differs, Wrong Format
L:27 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

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L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9